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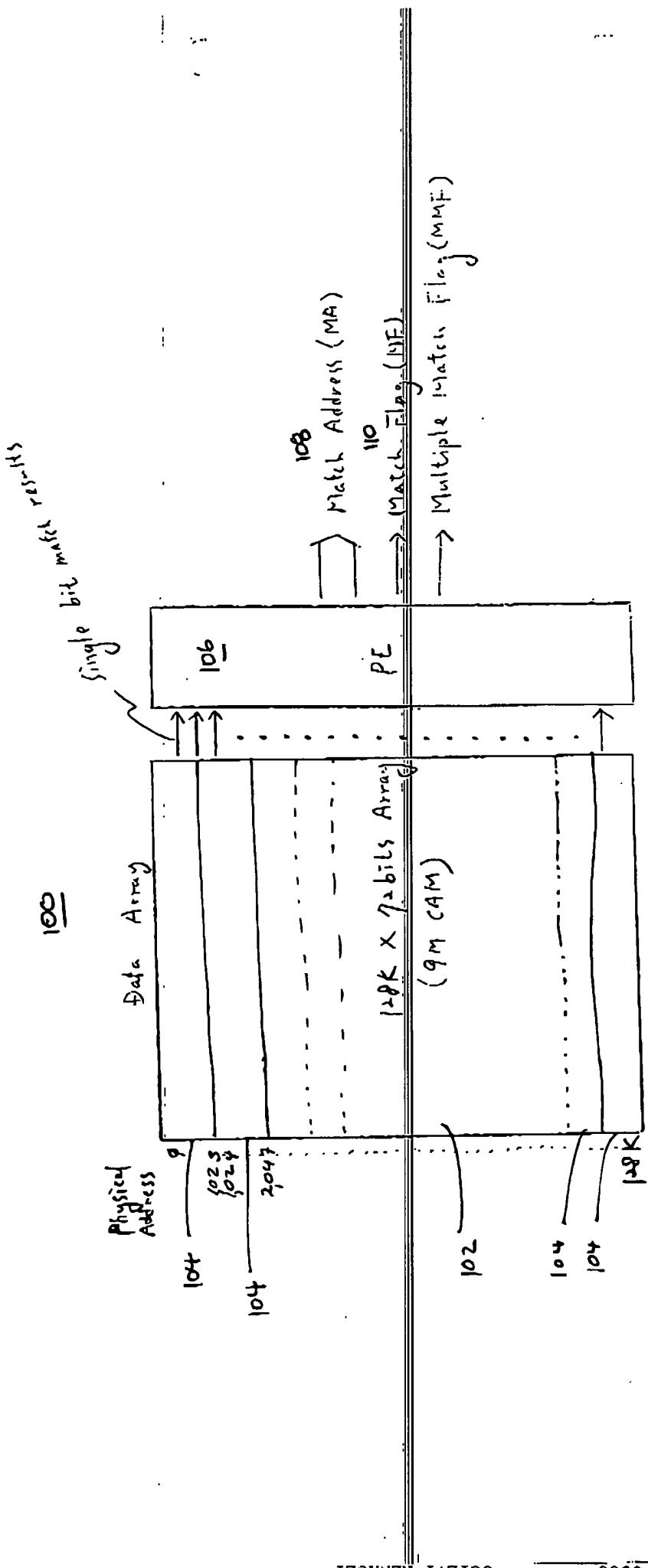
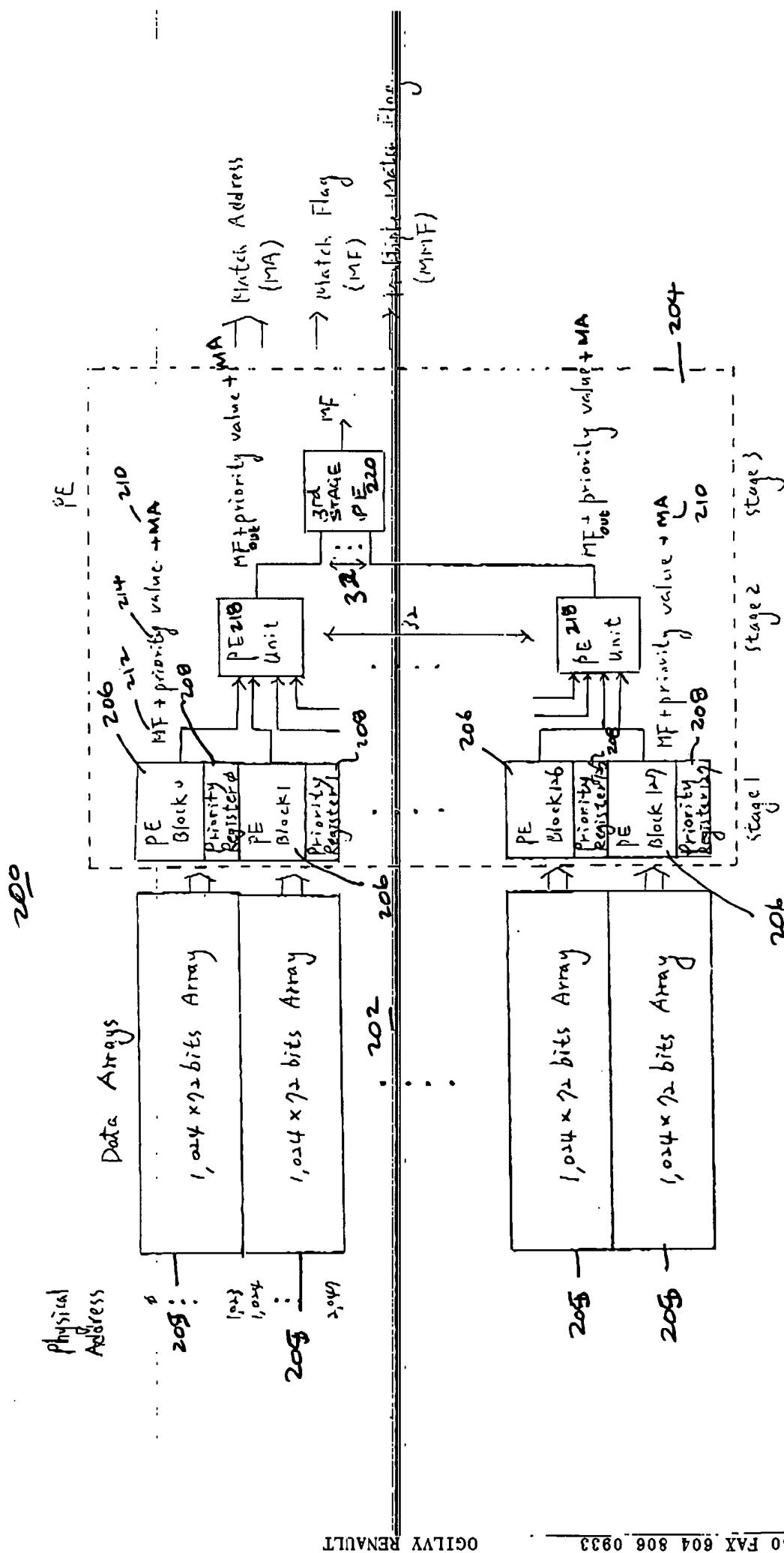


Fig. 1. prior art



(Fig. 2)

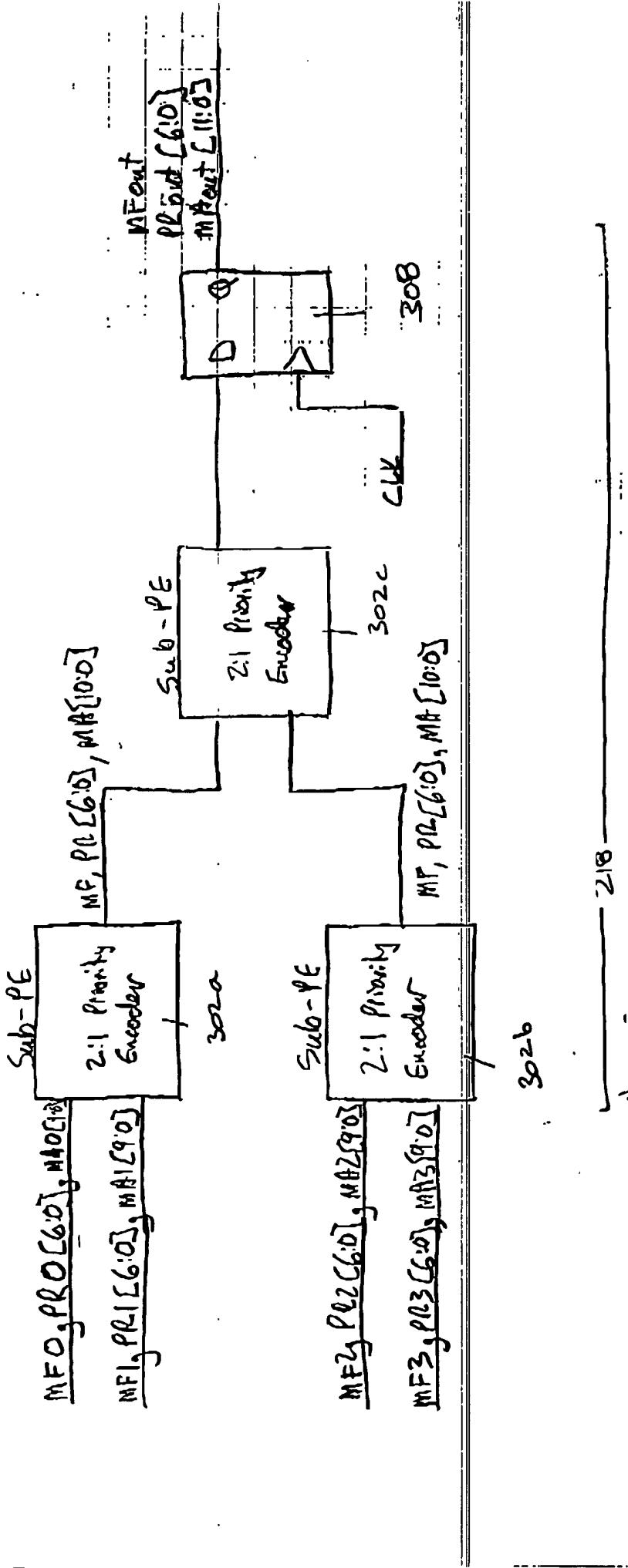


Figure 3

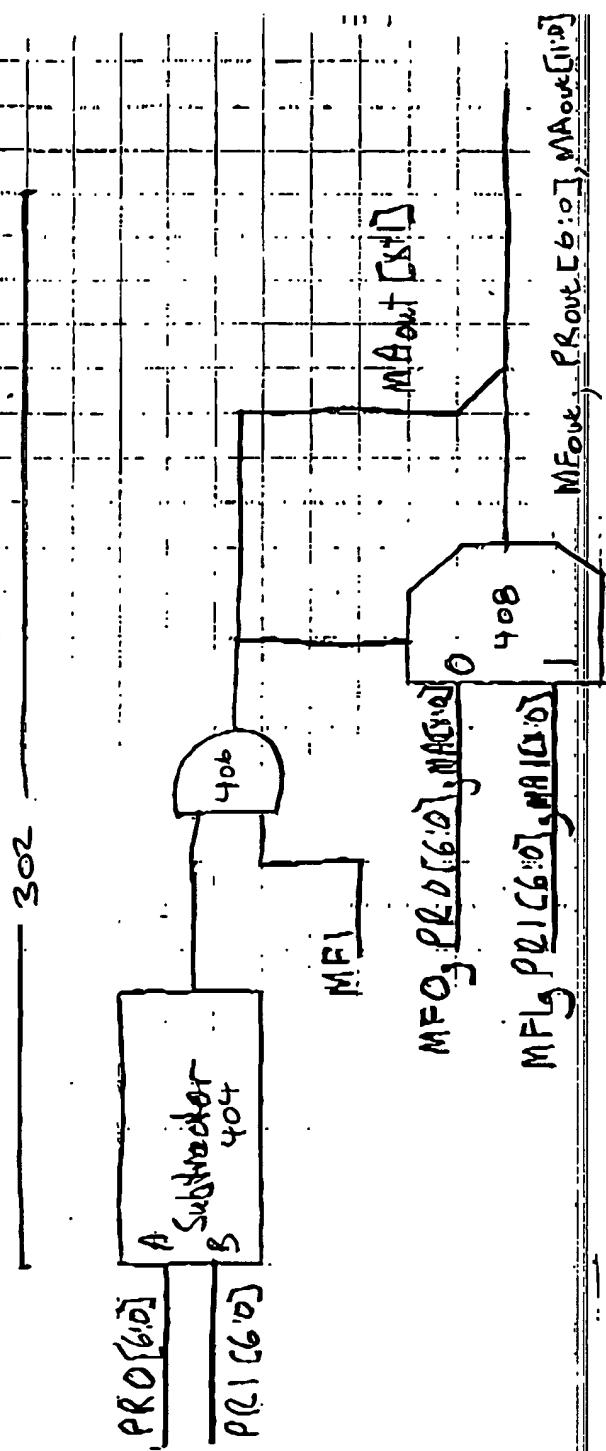


Figure 4(a)

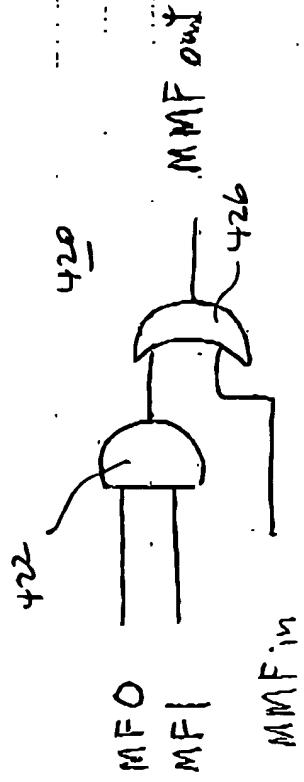
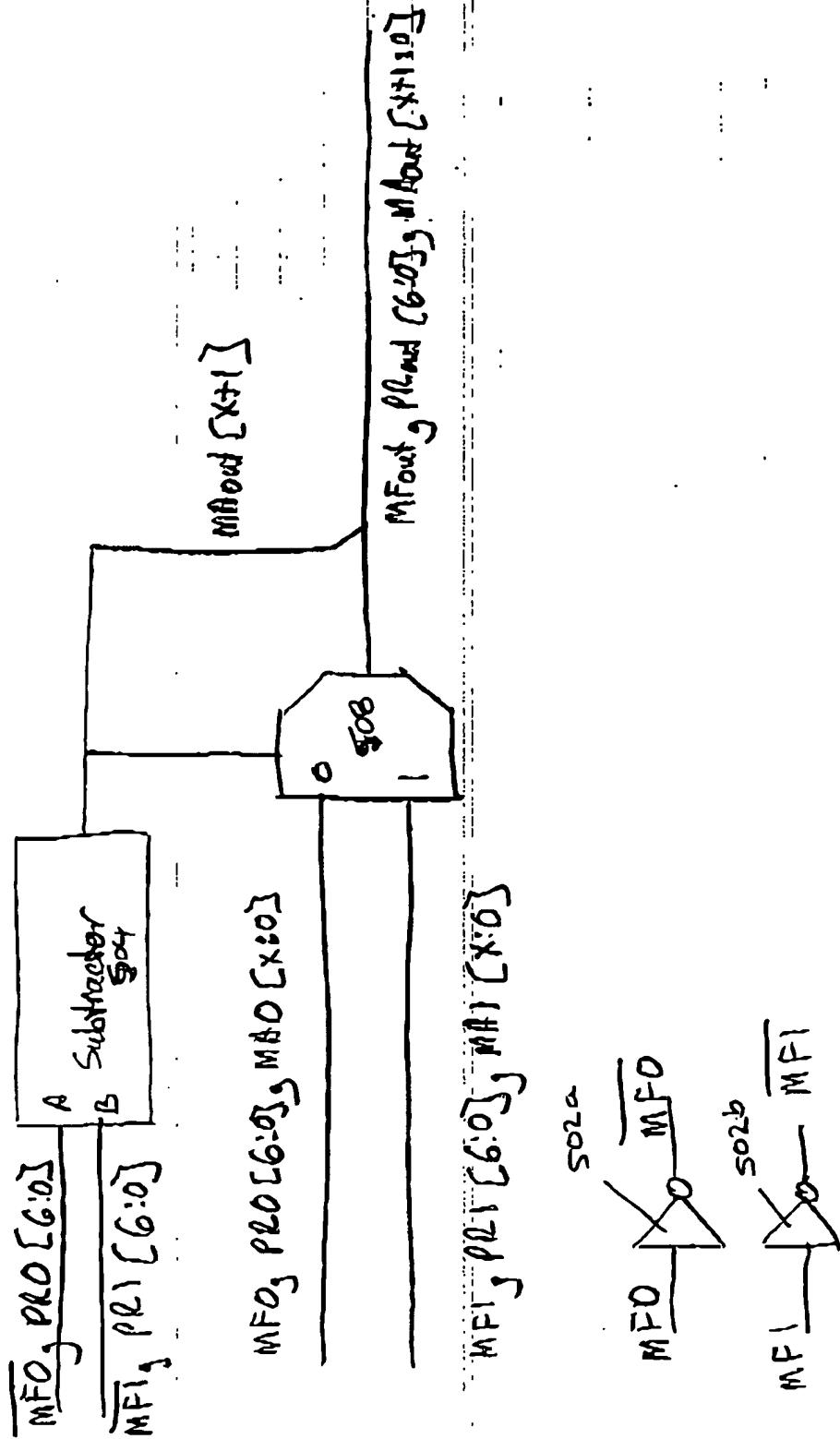


Figure 4(b)



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Figure

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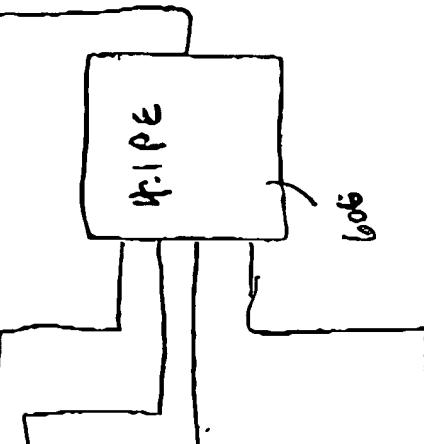
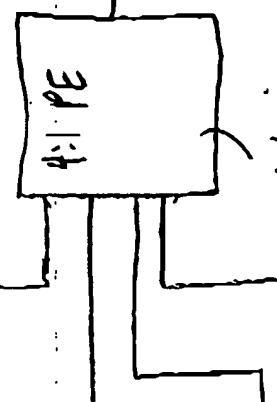
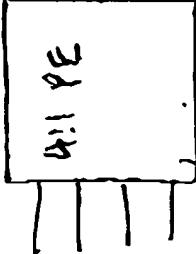
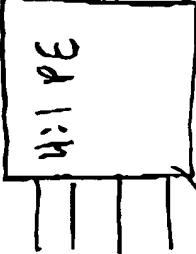
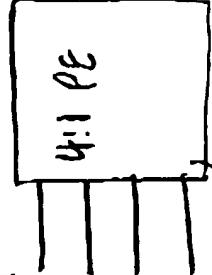
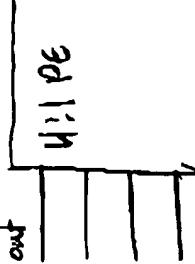
MFout, Pfout, MAout
from stage 2.

604

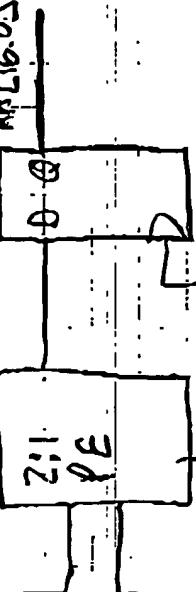
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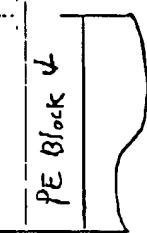
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MFout

Figure 1-6.

Physical Address	PE	206	Priority registered value	PE	Priority value
7,0,23	PE Block 4	1	206	PE Block 4	4
1,0,24	PE Block 1	1	206	PE Block 1	2
2,0,41	PE Block 1	1	206	PE Block 2	3
2,0,48	PE Block 2	2	206	PE Block 3	4
3,0,71	PE Block 2	2	206	PE Block 4	1
3,0,72	PE Block 3	3	206		
4,0,95	PE Block 3	3	206		
4,0,96	PE Block 4	4	(Not used)	PE Block 4	1
5,1,19	PE Block 4	4	(Not used)		

(a) 

(b) 

Fig. 7

Physical Address

Physical Address	Data Arrays	Priority of Data Arrays	Corresponding PE Clocks	Priority of Corresponding PE blocks
2.011	Exact Match Entries	1	1,021	1
1.014	Next Best Match Entries	2	1,024	2
2.010	Next Best Match Entries	2	2,040	2
3.011	Next Best Match Entries	3	3,041	3
2.012	Not so Good Match Entries	3	3,072	3
4.011	Not so Good Match Entries	3	4,091	3
4.012	Not so Good Match Entries	3	4,095	3
4.013	Not used	4	4,096	4
5.011	Free Space	4	5,119	4

(a)

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Physical Address	Data Arrays	Priority of Data Arrays	Corresponding PE Clocks	Priority of Corresponding PE blocks
2.011	Exact Match Entries	1	1,021	1
1.014	Next Best Match Entries	2	1,024	2
2.010	Next Best Match Entries	2	2,040	2
3.011	Next Best Match Entries	3	3,041	3
2.012	Not so Good Match Entries	3	3,072	3
4.011	Not so Good Match Entries	3	4,091	3
4.012	Not so Good Match Entries	3	4,095	3
4.013	Not used	4	4,096	4
5.011	Exact Match Entries	4	5,119	4

(b)

Fig: 8

Physical address	Data Arrays	Priority of corresponding PE blocks	Data Arrays of PE blocks \neq blocks	Priority of corresponding PE blocks
1,023	Exact Match Entries	0	Exact Match Entries	0
1,024	Next Best Match Entries	1	Next Best Match Entries	1
2,047	Next Best Match Entries	2	Next Best Match Entries	2
3,071	Not so Good Match Entries	3	Not so Good Match Entries	3
3,072	Not so Good Match Entries	4	Not so Good Match Entries	4
4,095	Free Space	5	Exact Match Entries	5
4,096	Not used	6		
5,119				205

(a)

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Fig. 19

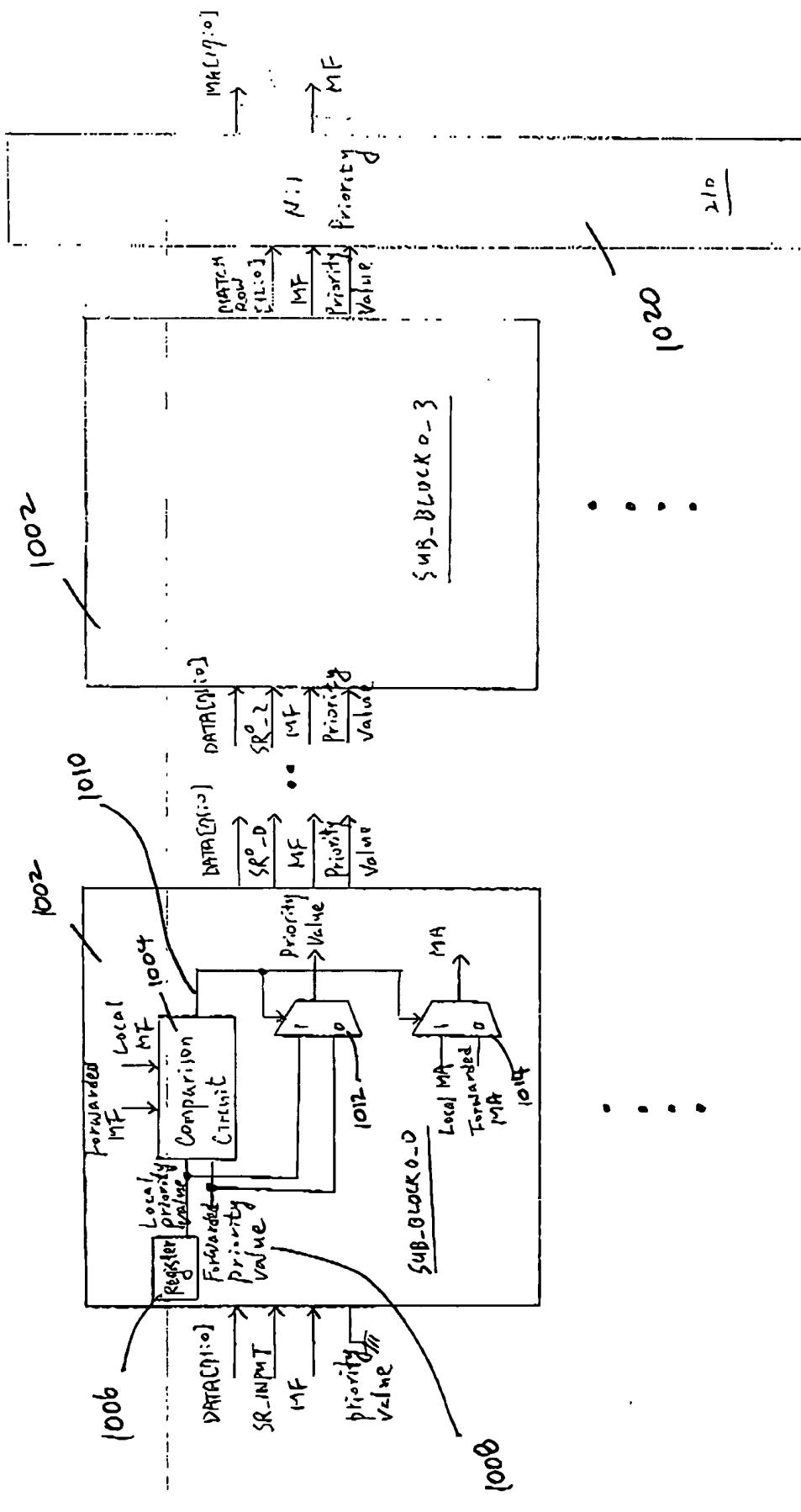


Fig. 10